Addendum to:
Botanical Report and Oak Tree, Wells's Manzanita, and Creek Crossing Evaluations

Huasna Well Sites and Access Roads, APN: 085-271-004, 001; Lot 4
E/2SW/4, SW/4SE/4, Sec. 30, T12N, R33W
County of San Luis Obispo, CA

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Introduction and Purpose

This is an addendum to two previous reports entitled *Botanical Report: Huasna Well Sites and Access Road, APN: 085-271-004, 001 Lot 4, E/2SW/4, SW/4SE/4, Sec. 30, T12N, R33 W, San Luis Obispo County, CA.* (May 2007) and *Oak Tree, Wells's Manzanita, and Creek Crossing Evaluations: APN: 085-271-004 Lot 4, E/2SW/4, SW/4SE/4, Sec. 30, T12N, R33 W, San Luis Obispo County, CA.* (March 2008). The purpose of this addendum is to make clarifications regarding the botanical surveys of the creek crossings, well sites, access roads, and shipping area and to confirm that detailed botanical surveys were conducted on in all these areas.

Methods

I conducted detailed botanical surveys of the well sites, access roads, and shipping site area of this project site in April and May 2007 and the creek crossings in my February 29, 2008 survey. During the April and May 2007 surveys, I examined the vegetation and flora along the access road and on the proposed shipping site area as well as areas 10 to 30 feet out from the roadsides and at least 30 feet outside the boundaries of the shipping site. For the proposed well sites, I examined the vegetation on the well sites themselves and at least 100 feet around the well sites. These also included the hillside areas between the upper and lower well sites and the area between the lower well site and the access road. During our oak inventory of the same areas on February 29, 2008, I examined the vegetation and flora along the access road, well sites, and shipping area as well as the oak trees. During these surveys, I searched these areas for any sign of special status plant species and sensitive habitats such as vernal pools and wetlands.

While I examined the three creek crossings as part of my survey of the access roads in my April and May 2007 surveys of the site, I examined them more specifically in my February 29, 2008 survey. In the 2007 survey, they were included in the access road survey in which we examined the vegetation 10 to 30 feet from the roadsides. Creek crossings #1 and #2 were small drainages and did not seem to warrant detailed studies in 2007. However, creek crossing #3, which is a well-developed channel, was much more obvious; so I did examine the vegetation around the bridge that crosses the creek in this area as well as the surrounding vegetation including the creek banks and upland vegetation. During these surveys, we thought the bridge may be used as the access to the site.

During my February 29, 2008 survey, I specifically examined the vegetation and flora in and around the creek crossings to make sure that no wetland or sensitive vegetation would be affected by the proposed project. For creek crossings #1 and #2, which are small, seasonal drainages, I carefully examined the vegetation along the creek for a minimum of 10 to 30 feet upstream and downstream. These small,

channels are vegetated by typical oak woodland understory vegetation and do not have wetland vegetation within 30 feet of the roadside.

Creek crossing #3 is more obvious and traverses a well-developed, seasonal creek channel that consists of a barren, sandy-rocky channel with no surface water for much of the year. In fact, there was no standing water in the creek during my April and May 2007 surveys or February 29, 2008 survey. However, the creek does clearly have significant water flow during some years. While I did include this area in my April and May 2007 botanical surveys, I conducted another survey on my February 29, 2008 examination of the site. During this survey, I again examined the vegetation in this area making sure to include the potential area of a creek crossing through the creek bed as well as the area around the existing bridge. Because I was not sure of the exact location of the proposed crossing through the creek channel, I examined the vegetation for a stretch of at least 100 feet upstream and downstream from the bridge that included the creek channel, the creek banks, and the upland vegetation along the creek. During these surveys, we searched for any signs of wetland vegetation, rare plants, or sensitive habitats such as vernal pools. None was found.

Results and Summary

Results of my February 29, 2008 inventory show that there are 13 Wells's manzanitas on the upper well pad that will be removed as a result of the project. In addition, there are three manzanitas along the road to the upper well site. Wells's manzanitas on the site varied in height from about 3 to 10 feet; however, the majority of the shrubs were 4 to 6 feet tall. The location and height of the Wells's manzanitas are discussed in my March 2008 report and shown on: Topographic Map Sheet 4 of 4, existing upper well site in my report entitled *Oak Tree, Wells's Manzanita, and Creek Crossing Evaluations: APN: 085-271-004, 001 Lot 4, E/2SW/4, SW/4SE/4, Sec. 30, T12N, R33 W, San Luis Obispo County, CA.* in this report. No other rare plants were found on the project site.

I examined the access roads, shipping area, well sites, and creek crossings for rare plants or sensitive habitats such as wetlands and vernal pools in both my April and May 2007 and my February 29, 2008 surveys. No wetland vegetation or vernal pools were found on the site.